Figure 1A

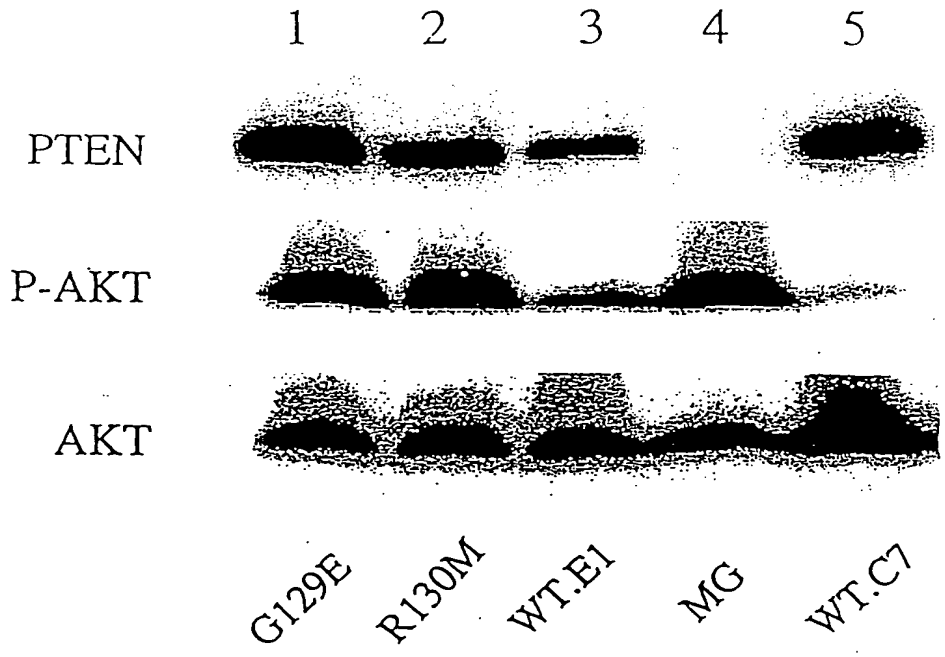


Figure 1B

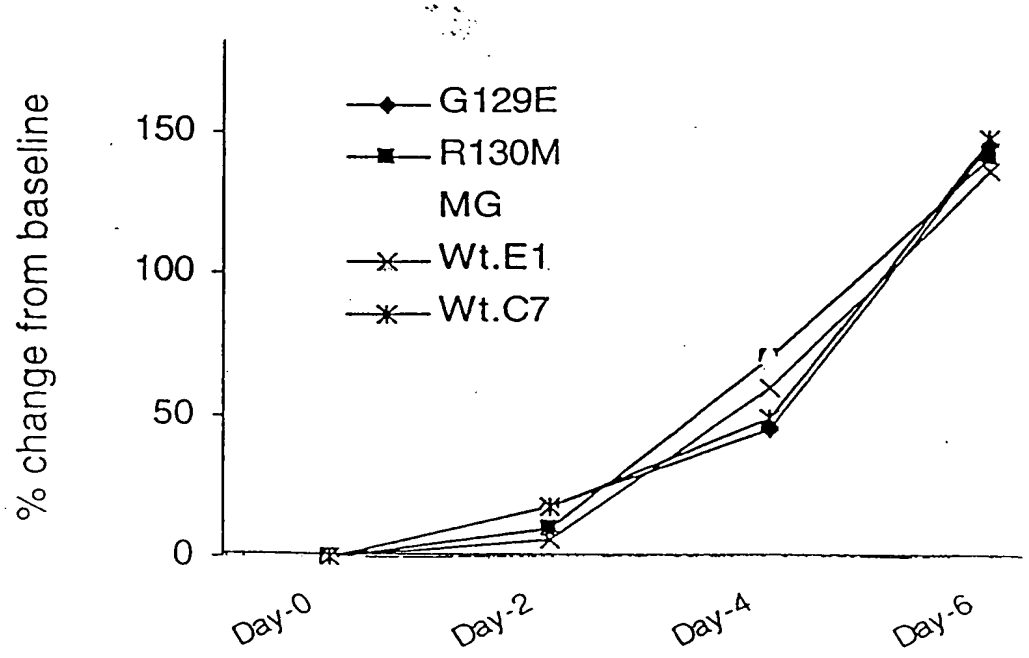


Figure 3A

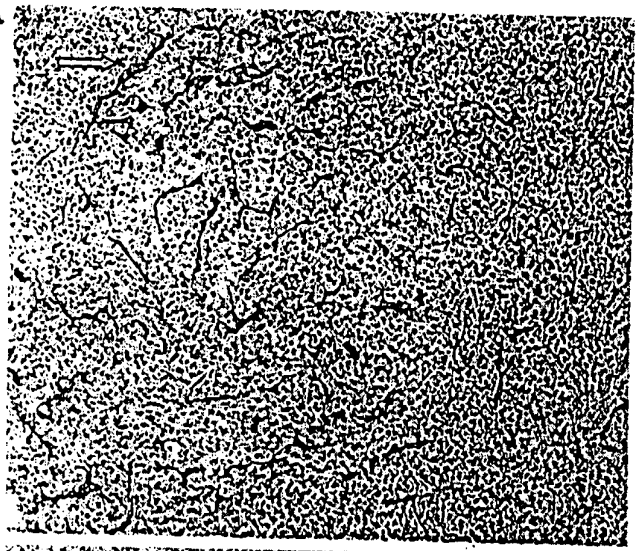


Figure 3B

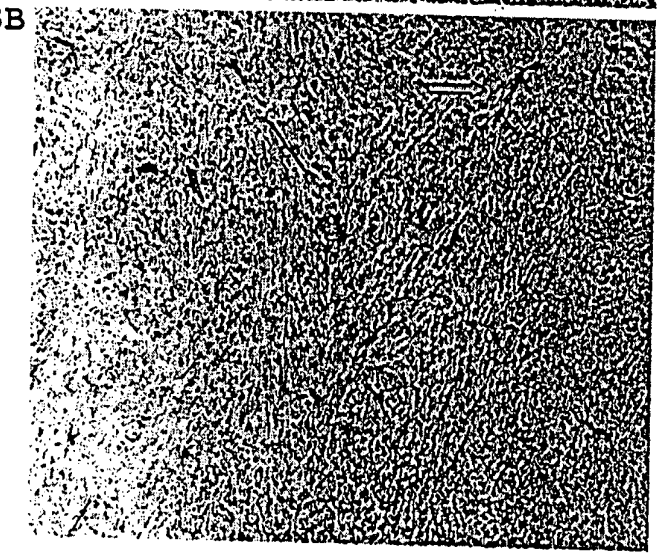


Figure 3C

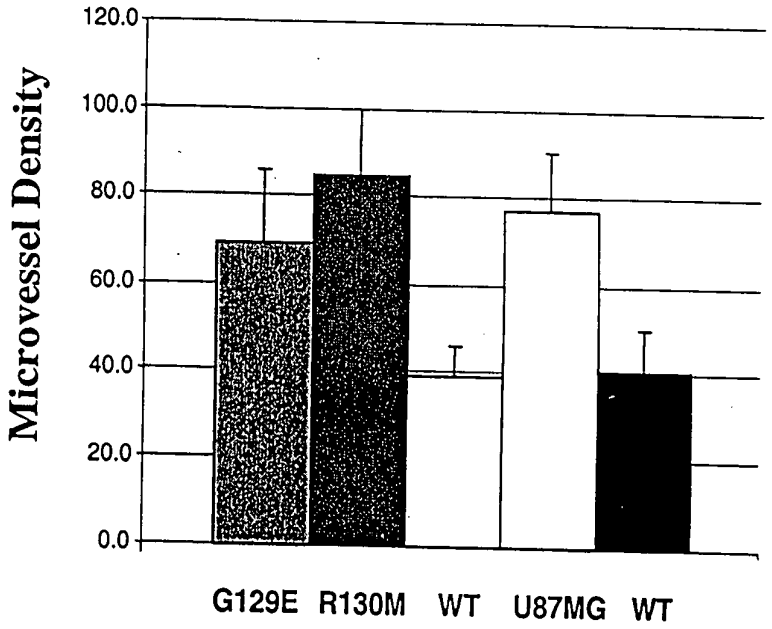


Figure 2A

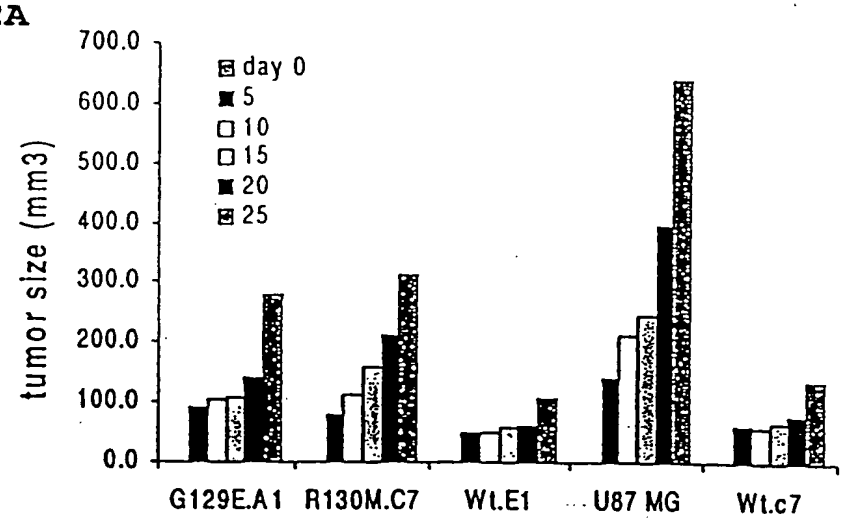


Figure 2B

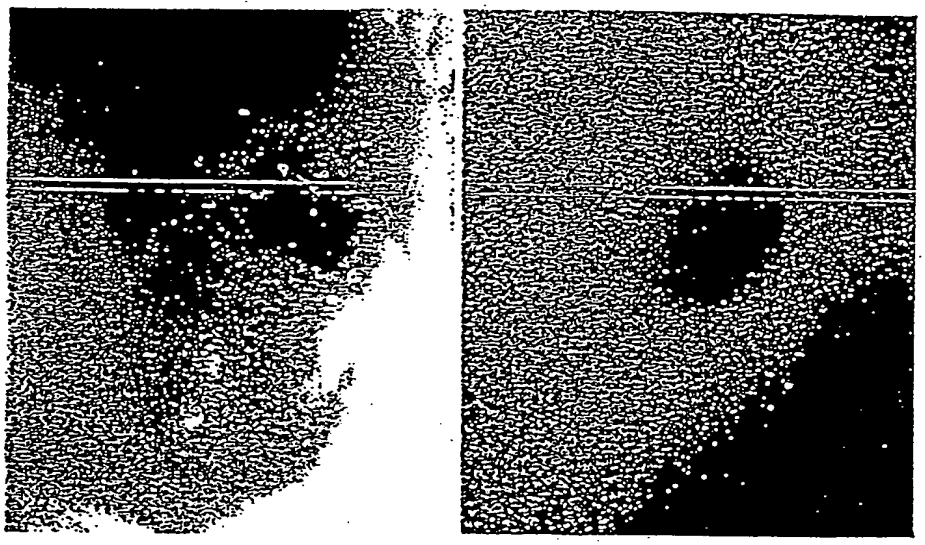


Figure 2C

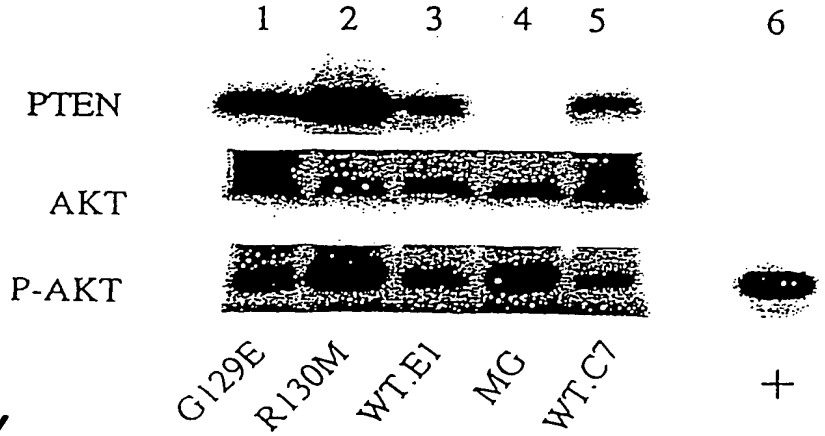


Figure 3D

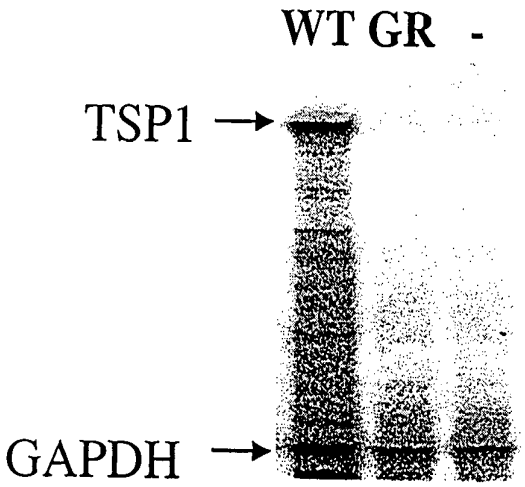


Figure 3E

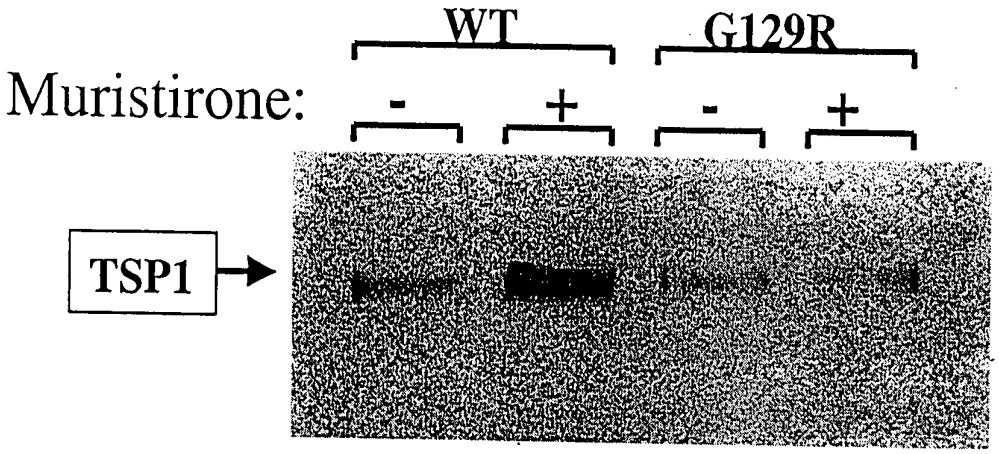
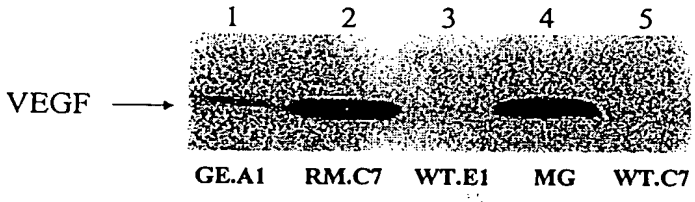


Figure 4



Anti-VEGF Immunoblot

Figure 5A

Figure 5B

Figure 5C

Figure 5D

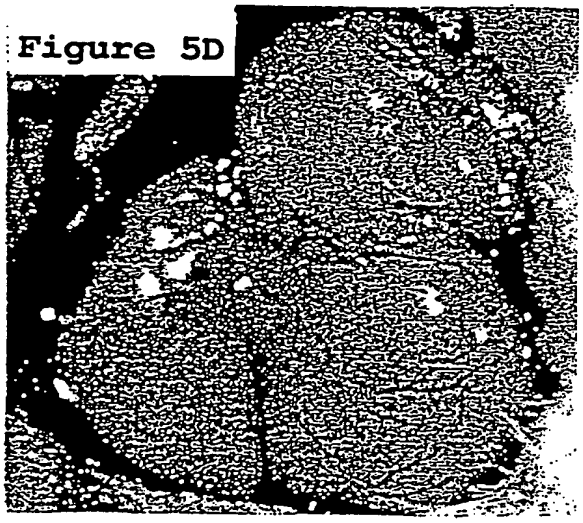


Figure 5E

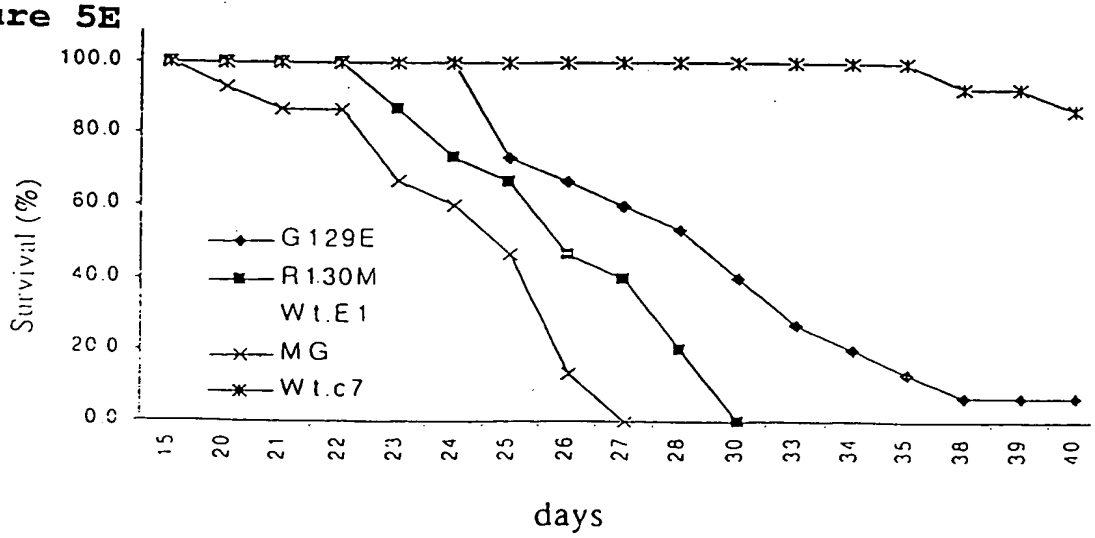


Figure 6

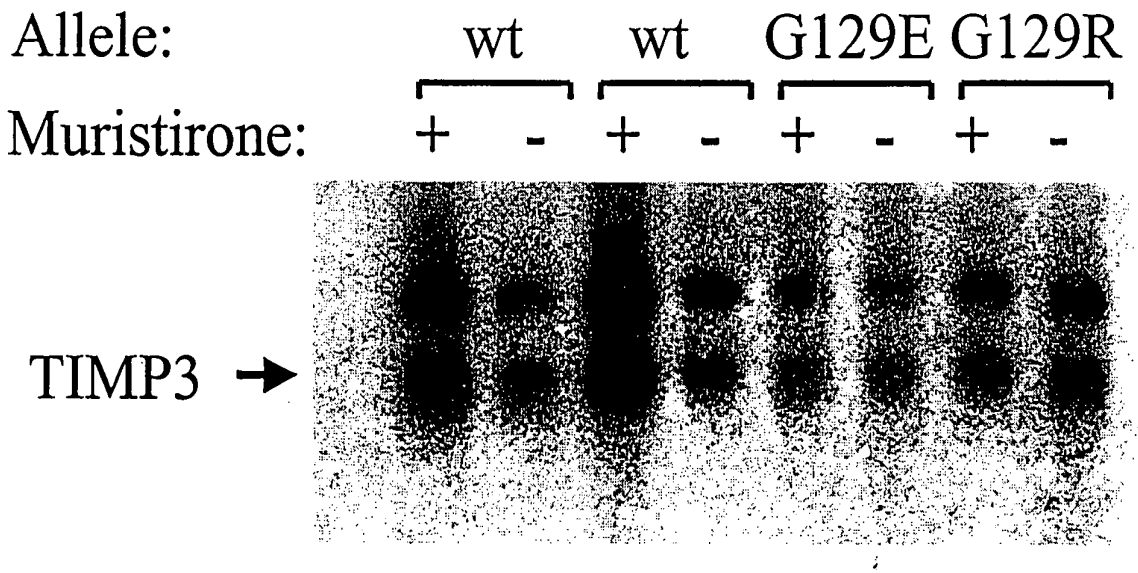


Figure 7

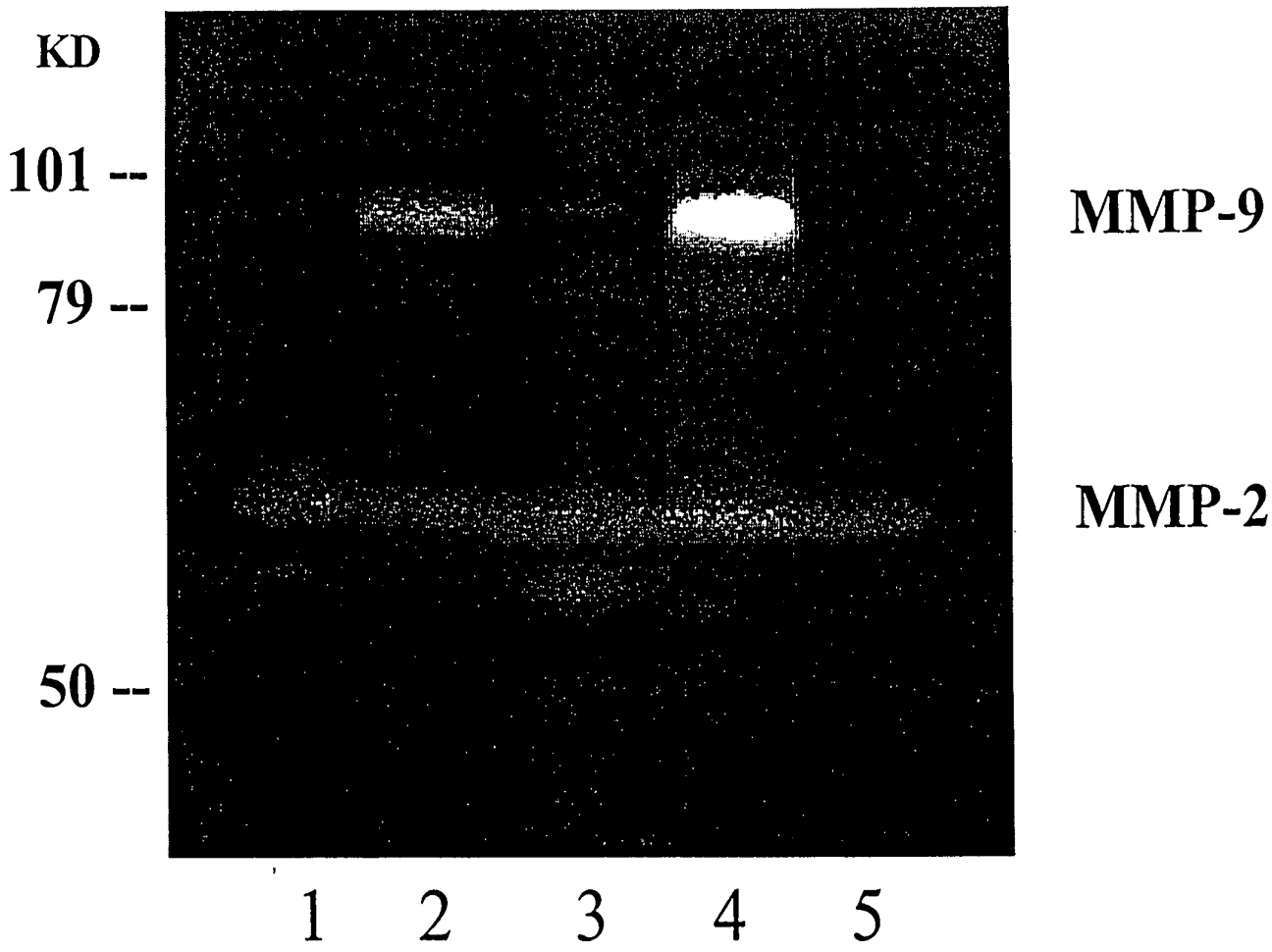


Figure 8

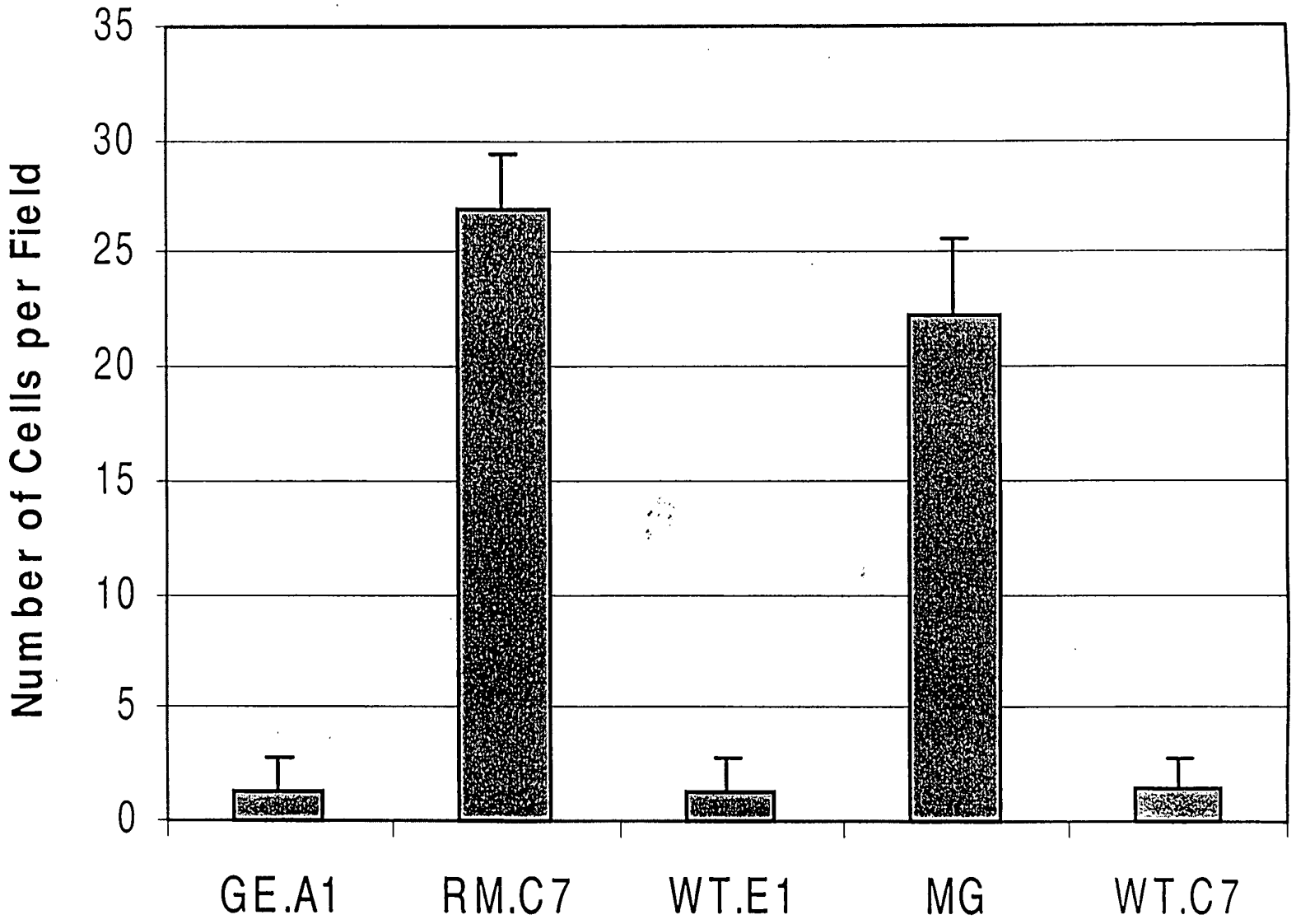

Number of Cells per Field
35
30
25
20
15
10
5
0
GE.A1
RM.C7
WT.E1
MG
WT.C7

Figure 9A

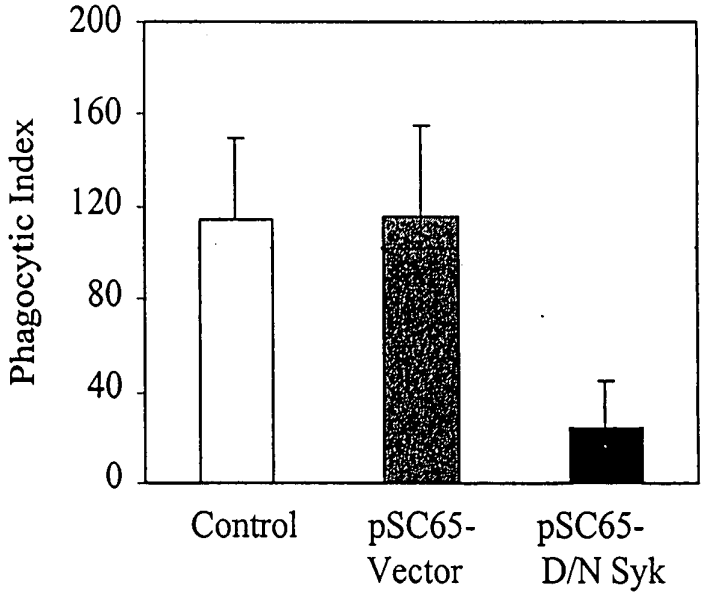


Figure 9B

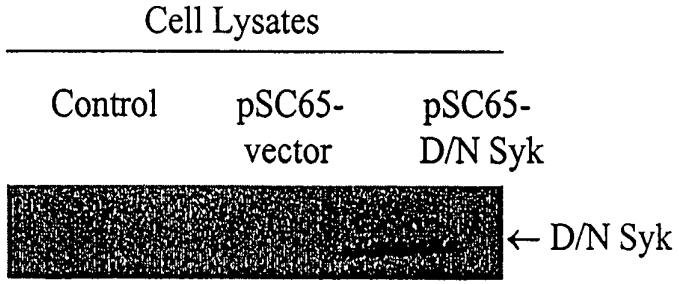


Figure 10A

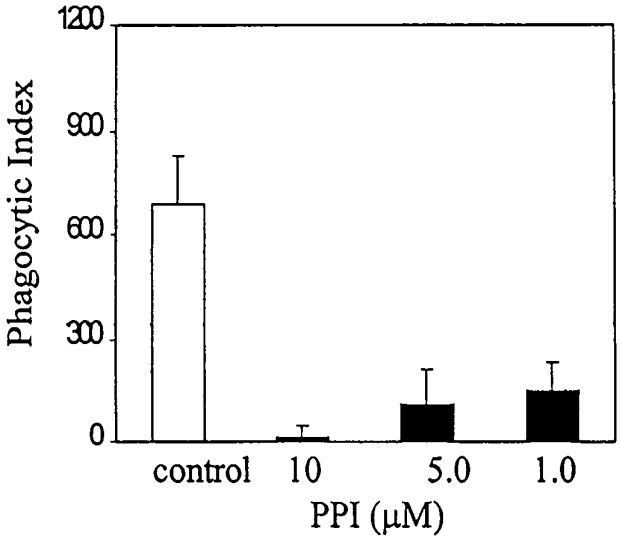


Figure 10B

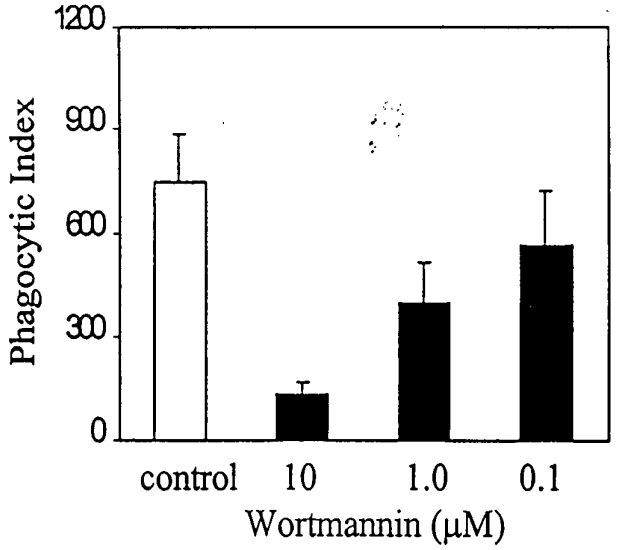


Figure 11A

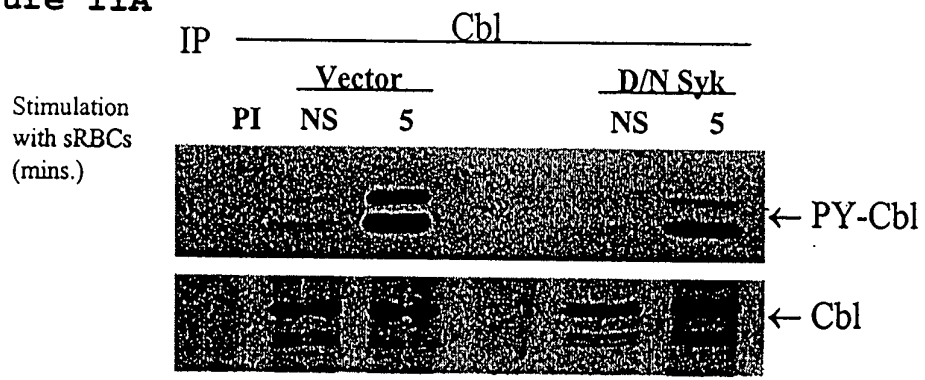


Figure 11B

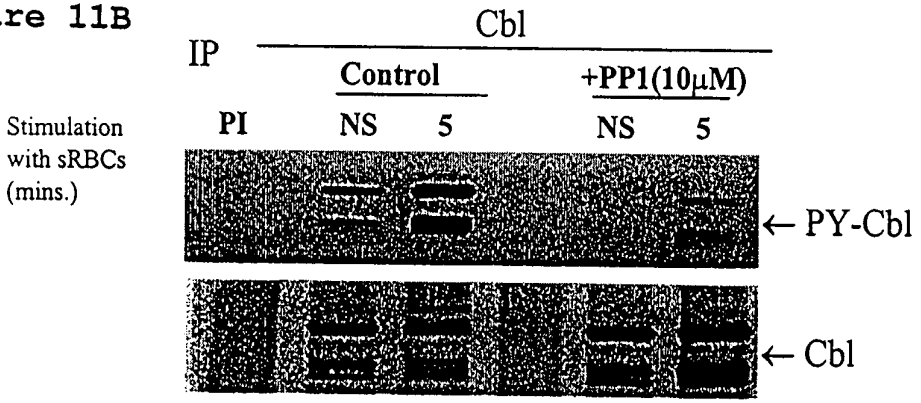


Figure 12

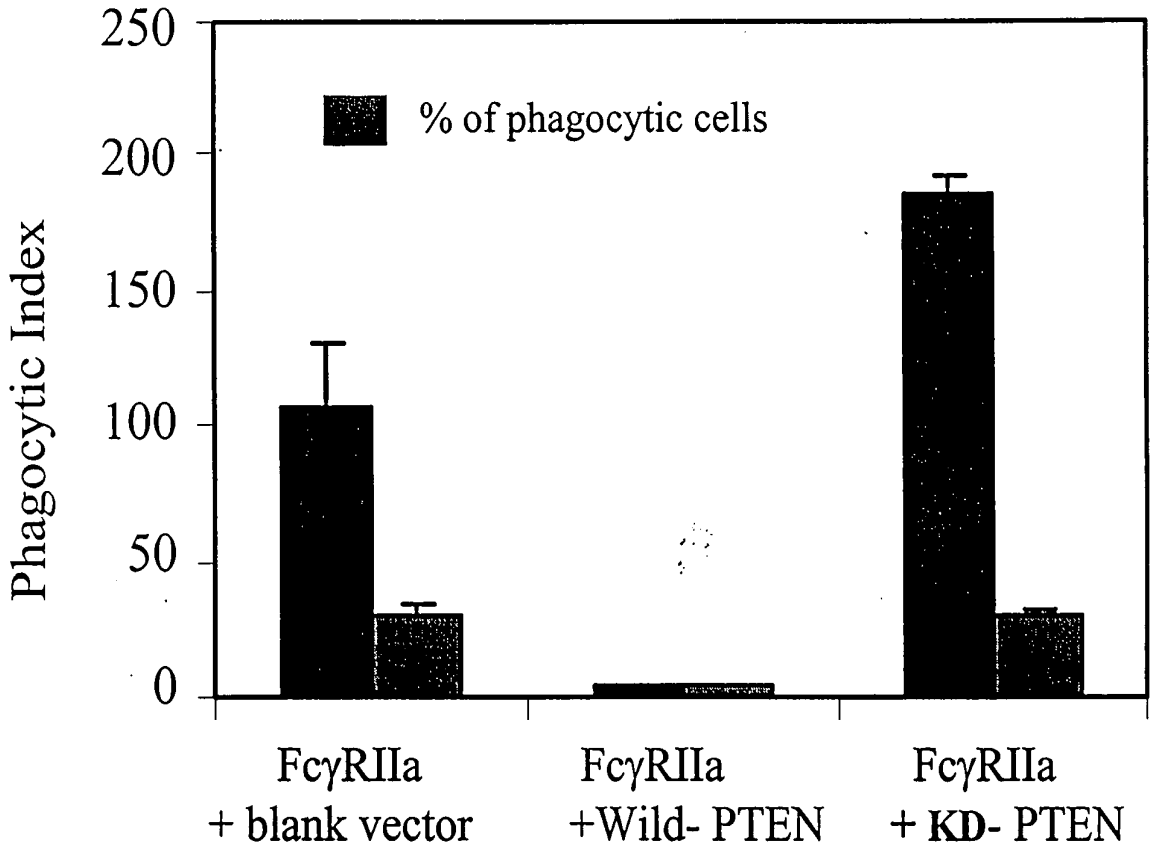

250
200
150
100
50
0
Phagocytic Index
% of phagocytic cells
FcγRIIa
+ blank vector
FcγRIIa
+Wild- PTEN
FcγRIIa
+ KD- PTEN

Figure 13

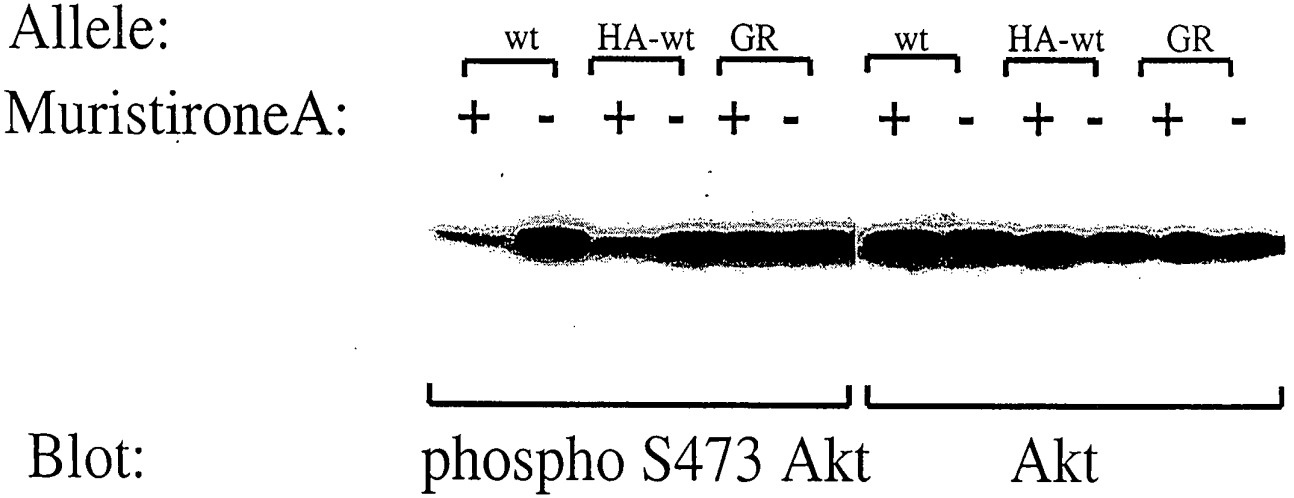

Allele:
wt
HA-wt
GR
wt
HA-wt
GR
MuristironeA:
+ - + - + - + - + - + -
Blot:
phospho S473 Akt
Akt

Figure 14

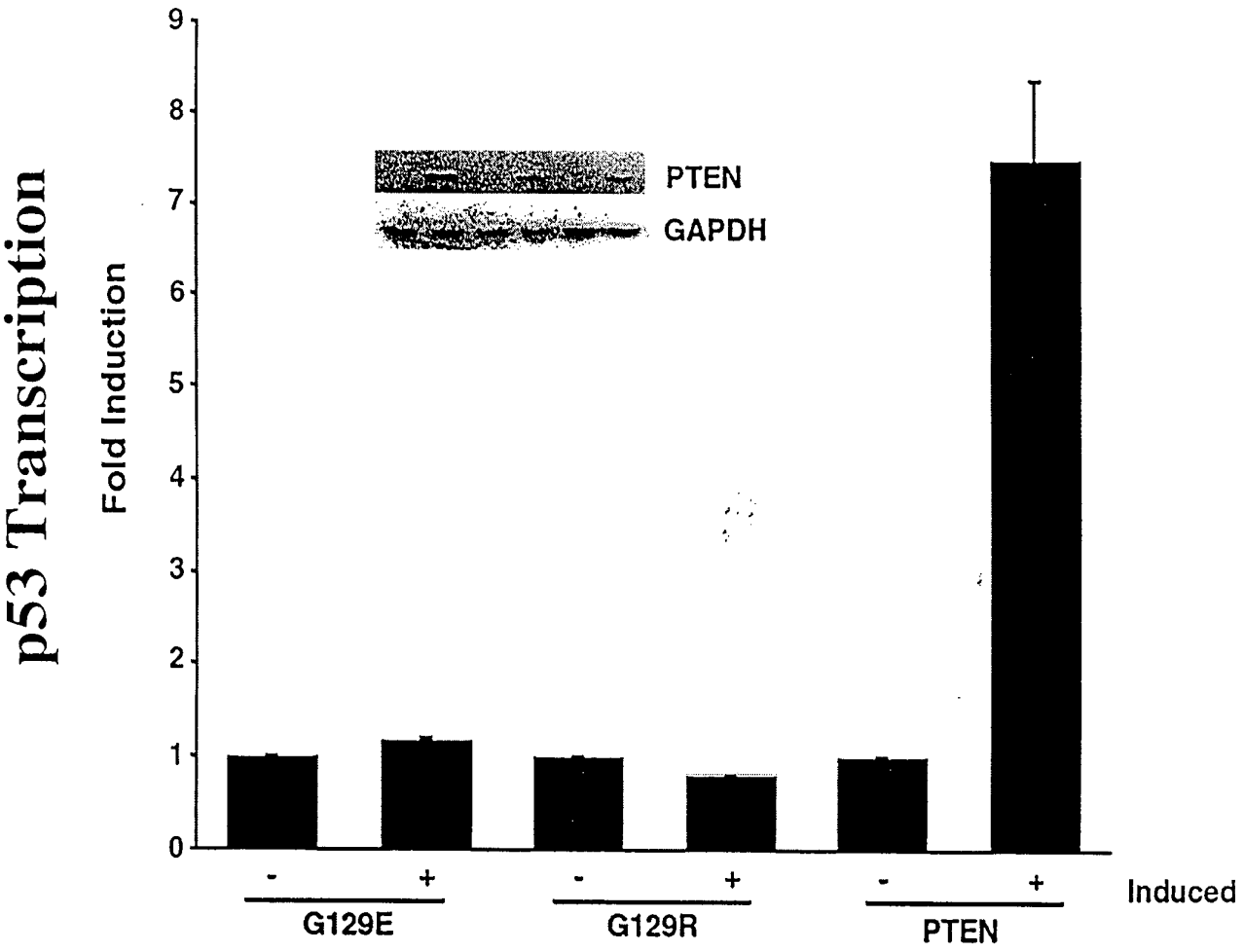

p53 Transcription
Fold Induction
9
8
7
6
5
4
3
2
1
0
PTEN
GAPDH
-
+
-
+
-
+
Induced
G129E
G129R
PTEN

Figure 15

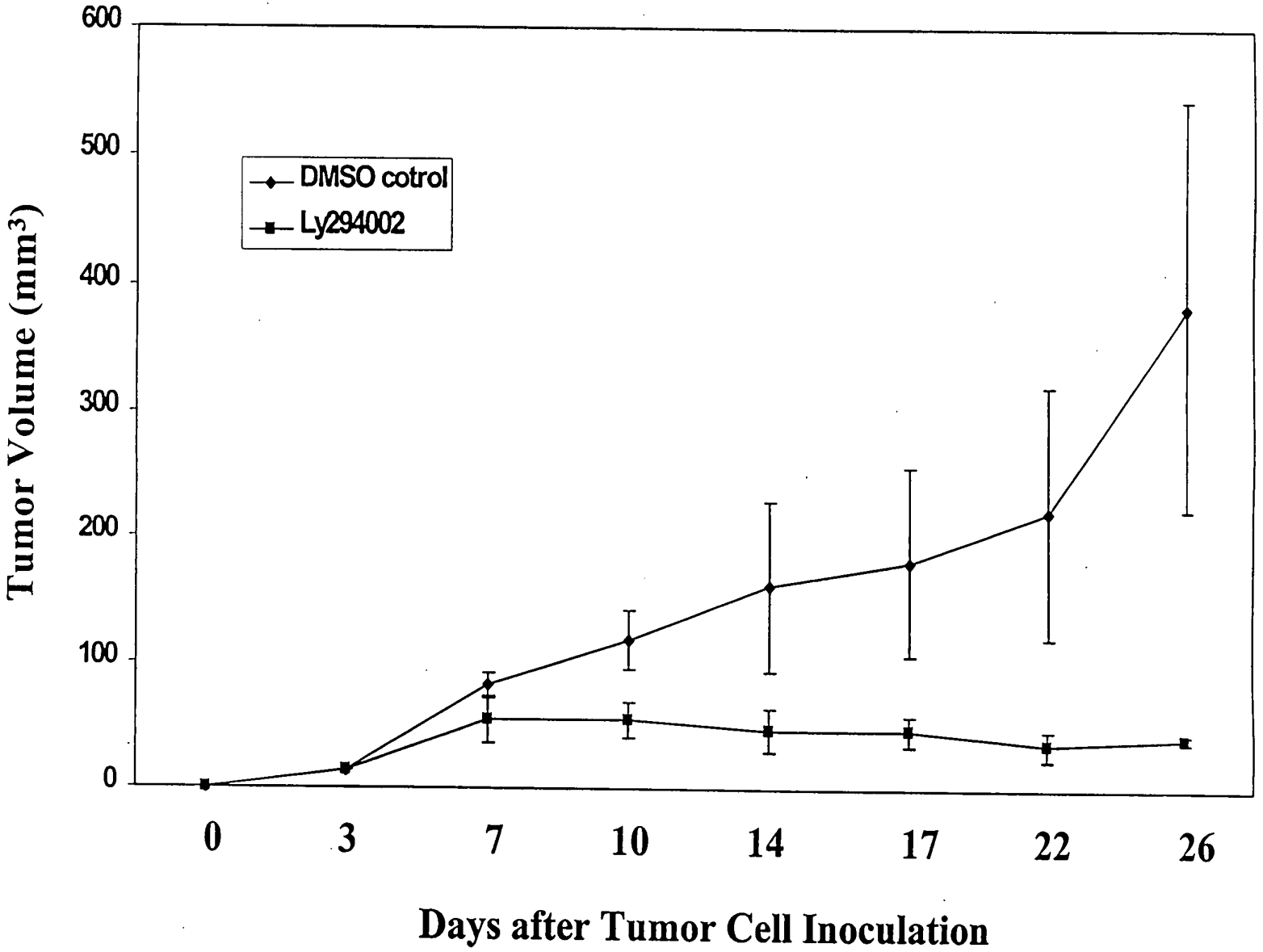

600
500
400
300
200
100
0
Tumor Volume (mm3)
DMSO cotrol
Ly294002
0
3
7
10
14
17
22
26
Days after Tumor Cell Inoculation

Figure 16

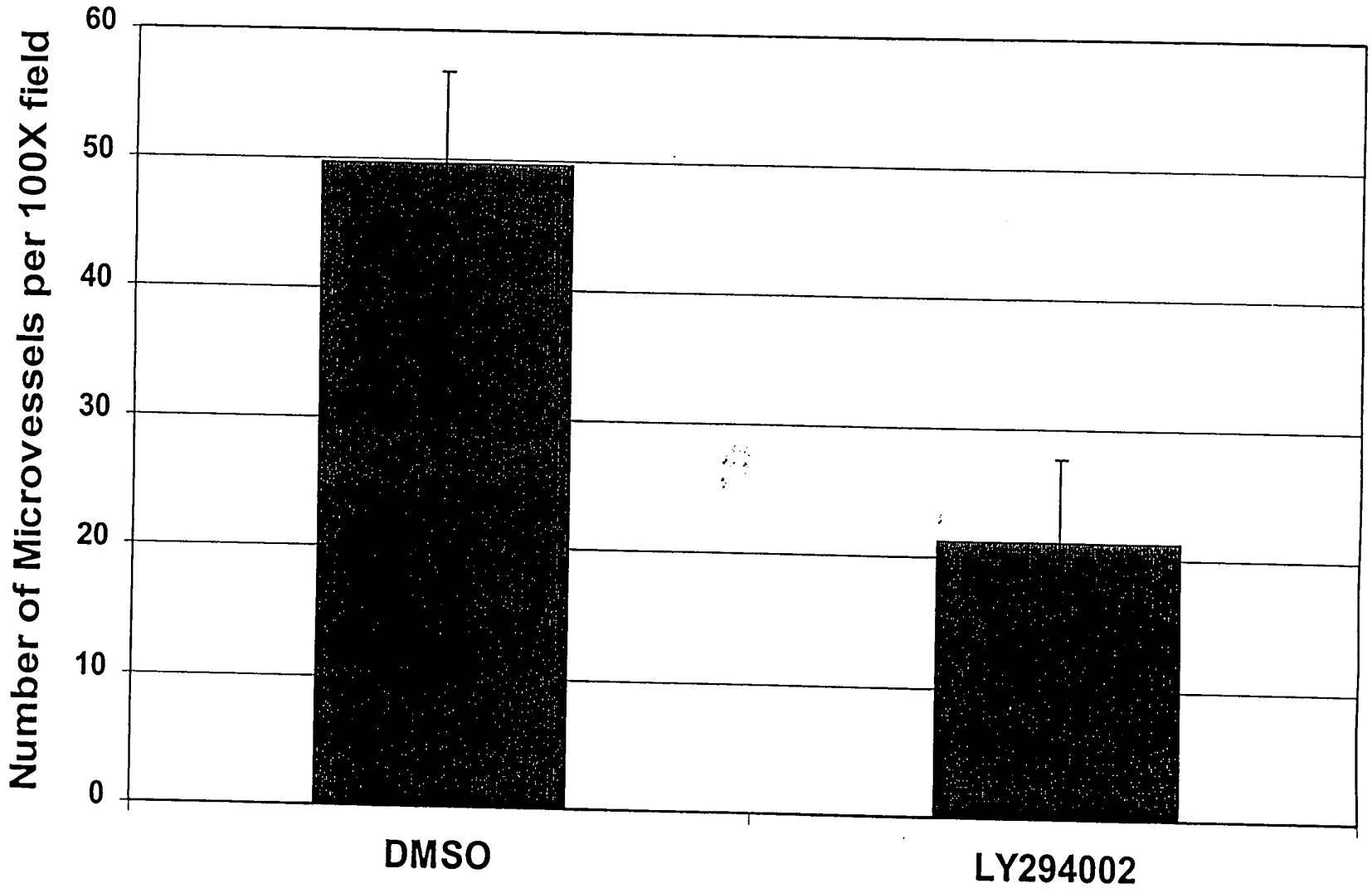

Number of Microvessels per 100X field
60
50
40
30
20
10
0
DMSO
LY294002

Figure 17

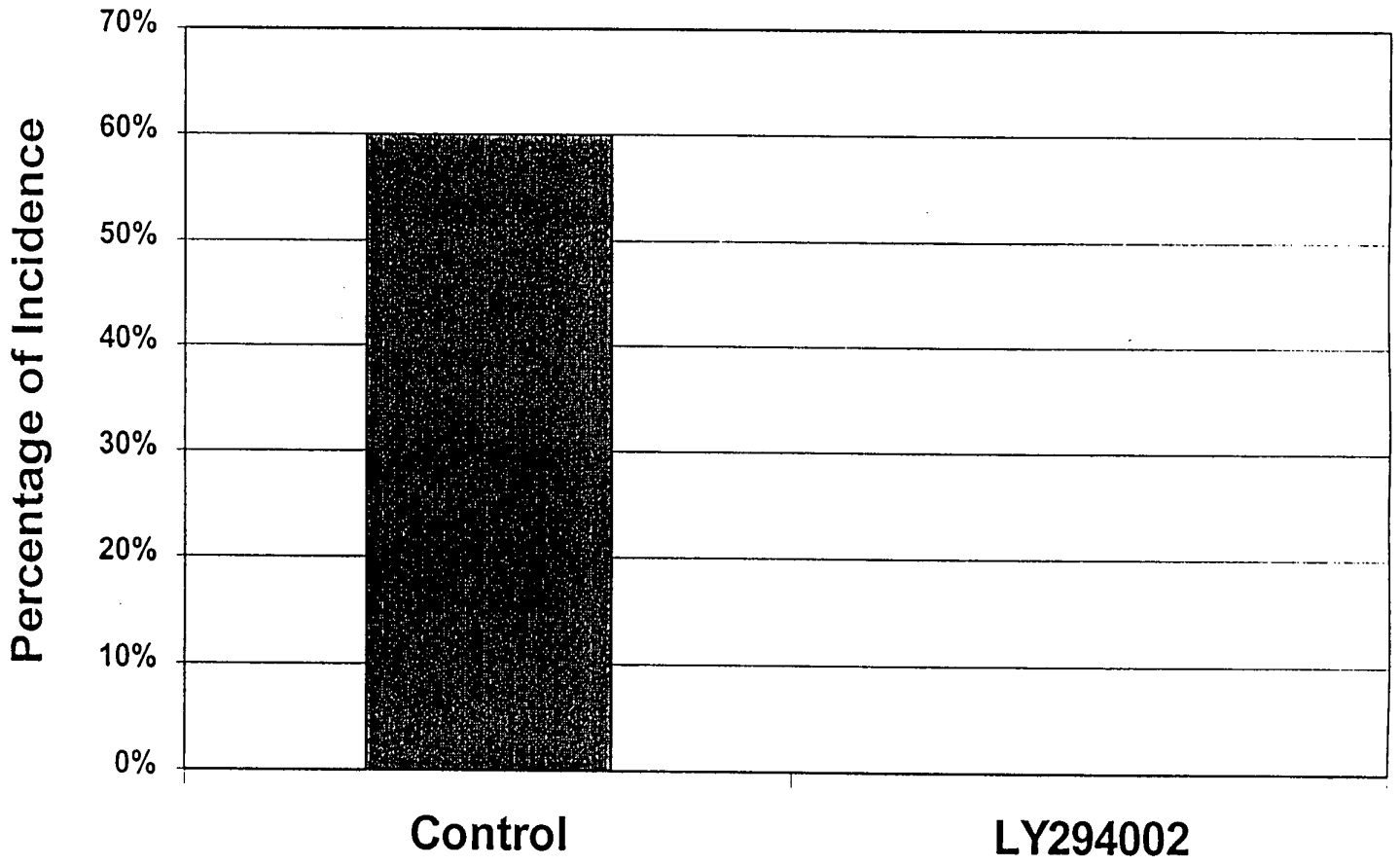

Percentage of Incidence
70%
60%
50%
40%
30%
20%
10%
0%
Control
LY294002

Figure 18

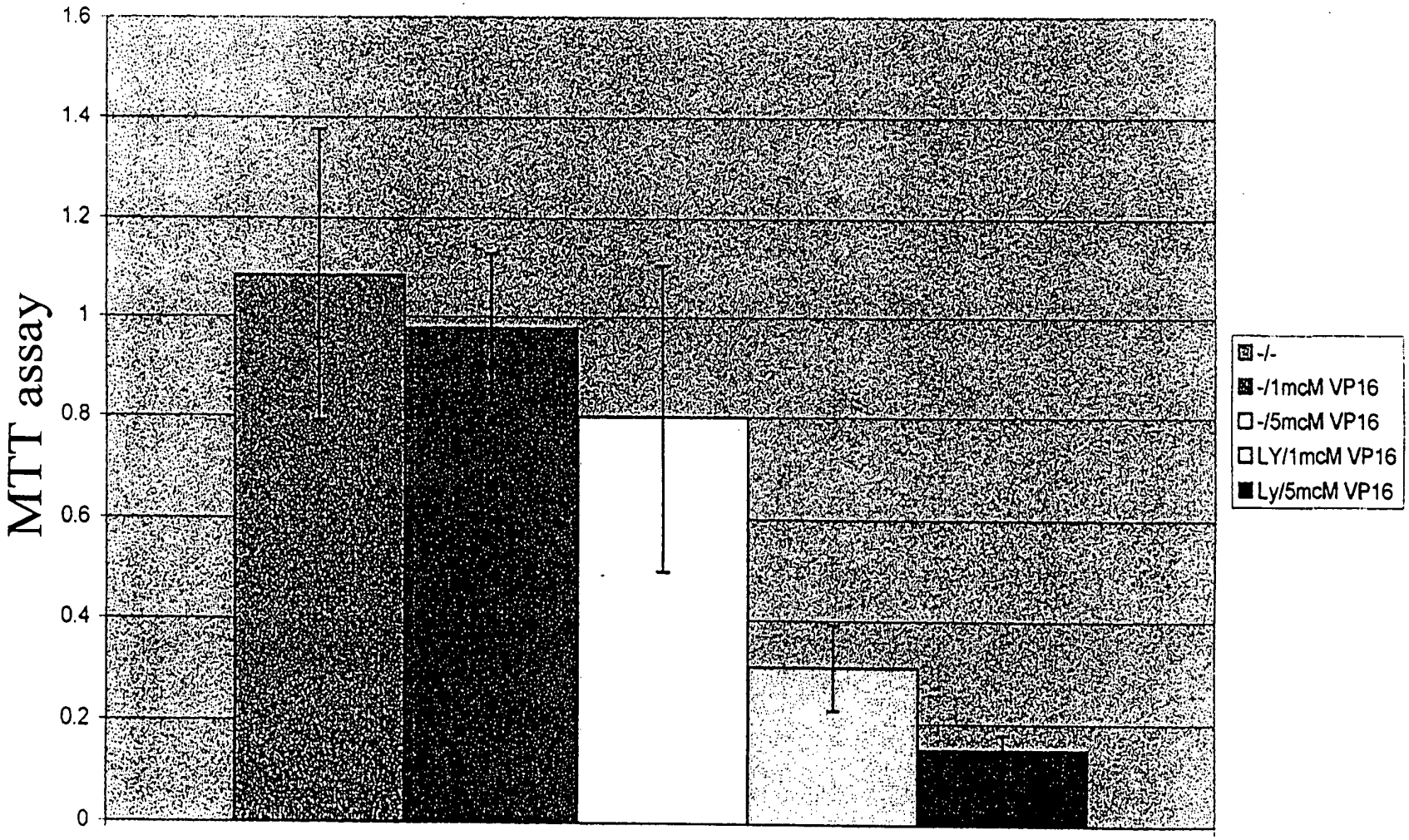

MTT assay
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-/-
-/1mcM VP16
-/5mcM VP16
LY/1mcM VP16
Ly/5mcM VP16

Figure 19

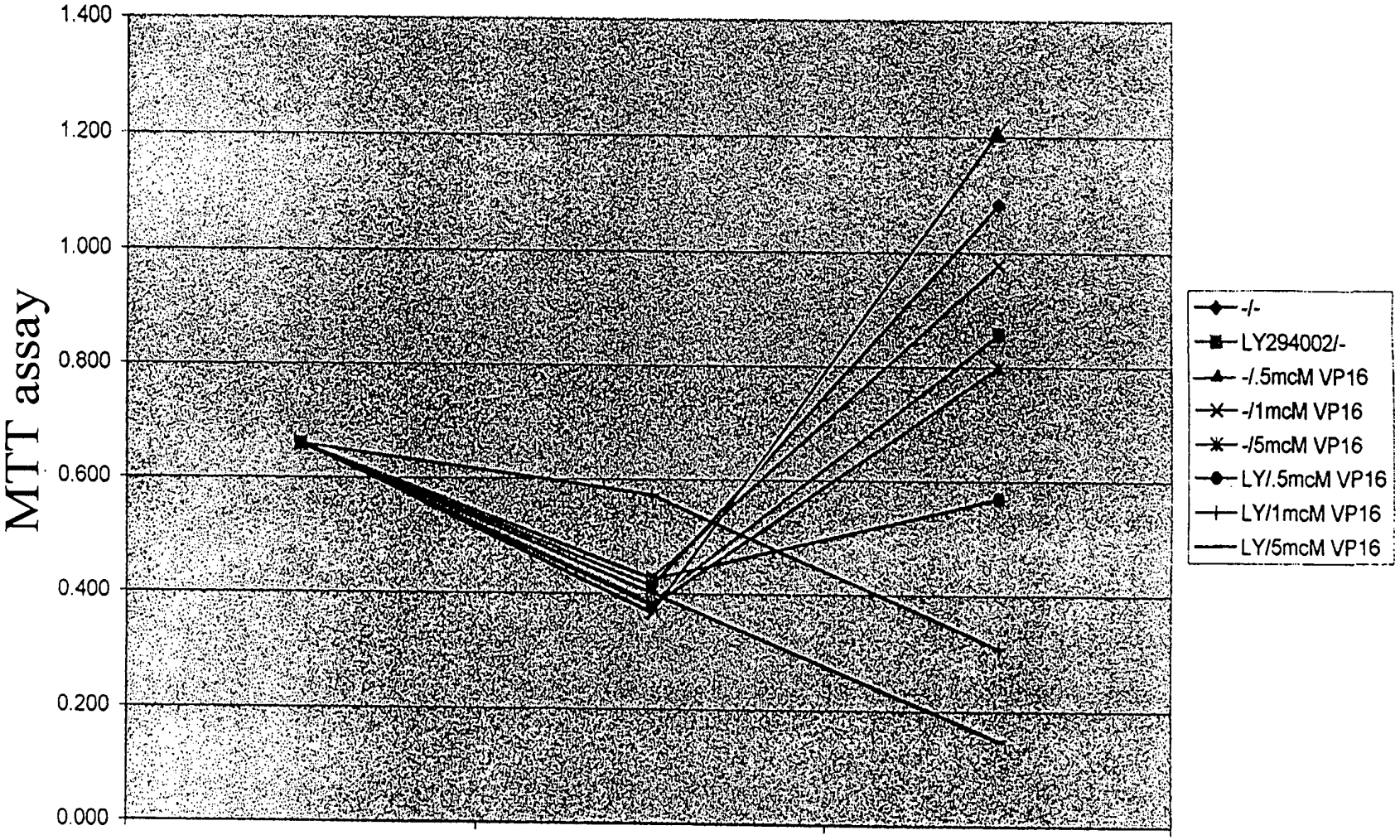
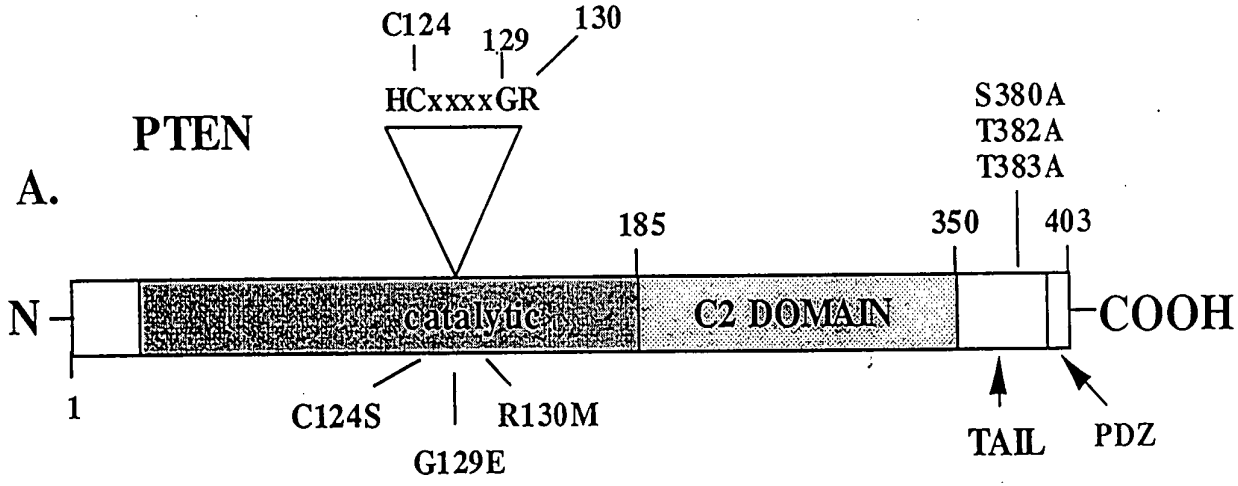

MTT assay
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-/-
LY294002/-
-/.5mcM VP16
-/1mcM VP16
-/5mcM VP16
LY/.5mcM VP16
LY/1mcM VP16
LY/5mcM VP16

Fig. 20A


A.
PTEN
C124
129
130
HCxxxxGR
S380A
T382A
T383A
185
350
403
N
catalytic
C2 DOMAIN
COOH
1
C124S
G129E
R130M
TAIL
PDZ

```
      1760       1770       1780       1790       1800
ACAAAATGTTTCACTTTTGGGTAAATACGTTCTTCATACCAGGACCAGAG
TGTTTTACAAAGTGAAAACCCATTTATGCAAGAAGTATGGTCCTGGTCTC
D  K  M  F  H  F  W  V  N  T  F  F  I  P  G  P  E>
___HOMOLOG OF HUMAN MUTATED IN MULTIPLE ADVANC_____>

                                                >ClaI
                                                  |
                                                >BsiXI
                                                  |
                                     >BsiQI       >TaqI
                                       |          |
      1810       1820       1830      |1840      1850
GAAACCTCAGAAAAAGTGGAAAATGGAAGTCTTTGTGATCAGGAAATCGA
CTTTGGAGTCTTTTTCACCTTTTACCTTCAGAAACACTAGTCCTTTAGCT
 E  T  S  E  K  V  E  N  G  S  L  C  D  Q  E  I  D>
___HOMOLOG OF HUMAN MUTATED IN MULTIPLE ADVANC_____>

                                                  >RsaI
                                                    |
      1860       1870       1880       1890       1900
TAGCATTTGCAGTATAGAGCGTGCAGATAATGACAAGGAGTATCTTGTAC
ATCGTAAACGTCATATCTCGCACGTCTATTACTGTTCCTCATAGAACATG
  S  I  C  S  I  E  R  A  D  N  D  K  E  Y  L  V>
___HOMOLOG OF HUMAN MUTATED IN MULTIPLE ADVANC_____>

      1910       1920       1930       1940       1950
TCACCCTAACAAAAAACGATCTTGACAAAGCAAACAAAGACAAGGCCAAC
AGTGGGATTGTTTTTTGCTAGAACTGTTTCGTTTGTTTCTGTTCCGGTTG
L  T  L  T  K  N  D  L  D  K  A  N  K  D  K  A  N>
___HOMOLOG OF HUMAN MUTATED IN MULTIPLE ADVANC_____>

      1960       1970       1980       1990       2000
CGATACTTCTCTCCAAATTTTAAGGTGAAACTATACTTTACAAAAACAGT
GCTATGAAGAGAGGTTTAAAATTCCACTTTGATATGAAATGTTTTTGTCA
 R  Y  F  S  P  N  F  K  V  K  L  Y  F  T  K  T  V>
___HOMOLOG OF HUMAN MUTATED IN MULTIPLE ADVANC_____>

      2010       2020       2030       2040       2050
AGAGGAGCCATCAAATCCAGAGGCTAGCAGTTCAACTTCTGTGACTCCAG
TCTCCTCGGTAGTTTAGGTCTCCGATCGTCAAGTTGAAGACACTGAGGTC
  E  E  P  S  N  P  E  A  S  S  S  T  S  V  T  P>
___HOMOLOG OF HUMAN MUTATED IN MULTIPLE ADVANC_____>

                >BsiQI
                  |
      2060       2070       2080       2090       2100
ATGTTAGTGACAATGAACCTGATCATTATAGATATTCTGACACCACTGAC
TACAATCACTGTTACTTGGACTAGTAATATCTATAAGACTGTGGTGACTG
D  V  S  D  N  E  P  D  H  Y  R  Y  S  D  T  T  D>
___HOMOLOG OF HUMAN MUTATED IN MULTIPLE ADVANC_____>

                                     >BscCI
                                       |
      2110       2120       2130      |2140      2150
TCTGATCCAGAGAATGAACCTTTTGATGAAGATCAGCATTCACAAATTAC
```

Fig. 20B (continued)

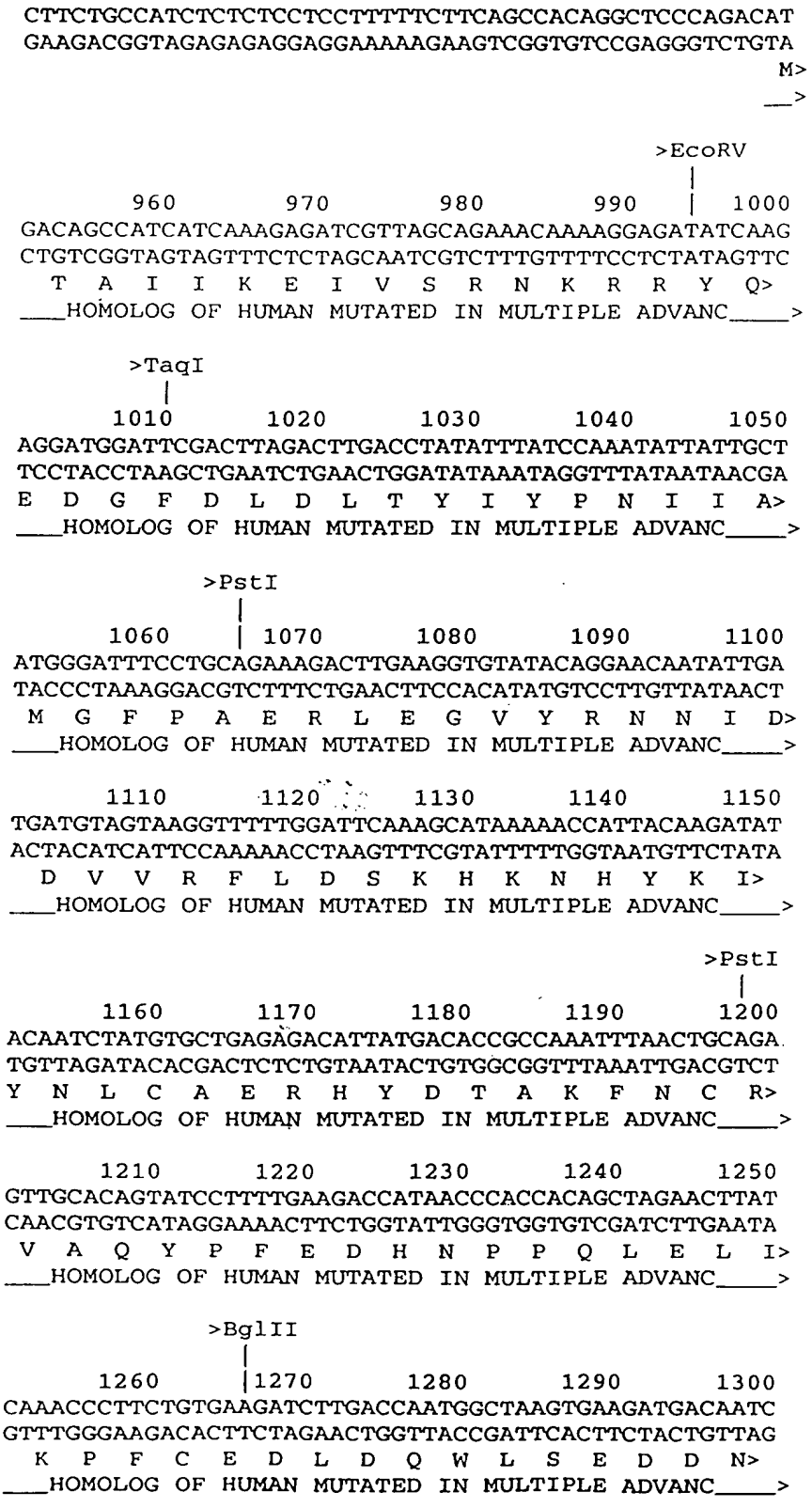

CTTCTGCCATCTCTCTCCTCCTTTTTCTTCAGCCACAGGCTCCCAGACAT
GAAGACGGTAGAGAGAGGAGGAAAAAGAAGTCGGTGTCCGAGGGTCTGTA
M>
__>
>EcoRV
960 970 980 990 1000
GACAGCCATCATCAAAGAGATCGTTAGCAGAAACAAAAGGAGATATCAAG
CTGTCGGTAGTAGTTTCTCTAGCAATCGTCTTTGTTTTCCTCTATAGTTC
T A I I K E I V S R N K R R Y Q>
___HOMOLOG OF HUMAN MUTATED IN MULTIPLE ADVANC_____>
>TaqI
1010 1020 1030 1040 1050
AGGATGGATTCGACTTAGACTTGACCTATATTTATCCAAATATTATTGCT
TCCTACCTAAGCTGAATCTGAACTGGATATAAATAGGTTTATAATAACGA
E D G F D L D L T Y I Y P N I I A>
___HOMOLOG OF HUMAN MUTATED IN MULTIPLE ADVANC_____>
>PstI
1060 1070 1080 1090 1100
ATGGGATTTCCTGCAGAAAGACTTGAAGGTGTATACAGGAACAATATTGA
TACCCTAAAGGACGTCTTTCTGAACTTCCACATATGTCCTTGTTATAACT
M G F P A E R L E G V Y R N N I D>
___HOMOLOG OF HUMAN MUTATED IN MULTIPLE ADVANC_____>
1110 1120 1130 1140 1150
TGATGTAGTAAGGTTTTTGGATTCAAAGCATAAAAACCATTACAAGATAT
ACTACATCATTCCAAAAACCTAAGTTTCGTATTTTTGGTAATGTTCTATA
D V V R F L D S K H K N H Y K I>
___HOMOLOG OF HUMAN MUTATED IN MULTIPLE ADVANC_____>
>PstI
1160 1170 1180 1190 1200
ACAATCTATGTGCTGAGAGACATTATGACACCGCCAAATTTAACTGCAGA
TGTTAGATACACGACTCTCTGTAATACTGTGGCGGTTTAAATTGACGTCT
Y N L C A E R H Y D T A K F N C R>
___HOMOLOG OF HUMAN MUTATED IN MULTIPLE ADVANC_____>
1210 1220 1230 1240 1250
GTTGCACAGTATCCTTTTGAAGACCATAACCCACCACAGCTAGAACTTAT
CAACGTGTCATAGGAAAACTTCTGGTATTGGGTGGTGTCGATCTTGAATA
V A Q Y P F E D H N P P Q L E L I>
___HOMOLOG OF HUMAN MUTATED IN MULTIPLE ADVANC_____>
>BglII
1260 1270 1280 1290 1300
CAAACCCTTCTGTGAAGATCTTGACCAATGGCTAAGTGAAGATGACAATC
GTTTGGGAAGACACTTCTAGAACTGGTTACCGATTCACTTCTACTGTTAG
K P F C E D L D Q W L S E D D N>
___HOMOLOG OF HUMAN MUTATED IN MULTIPLE ADVANC_____>

Fig. 20B

```
      1310       1320       1330       1340       1350
ATGTTGCAGCAATTCACTGTAAAGCTGGAAAGGGACGGACTGGTGTAATG
TACAACGTCGTTAAGTGACATTTCGACCTTTCCCTGCCTGACCACATTAC
H  V  A  A  I  H  C  K  A  G  K  G  R  T  G  V  M>
___HOMOLOG OF HUMAN MUTATED IN MULTIPLE ADVANC_____>

      1360       1370       1380       1390       1400
ATTTGTGCATATTTATTGCATCGGGGCAAATTTTTAAAGGCACAAGAGGC
TAAACACGTATAAATAACGTAGCCCCGTTTAAAAATTTCCGTGTTCTCCG
 I  C  A  Y  L  L  H  R  G  K  F  L  K  A  Q  E  A>
___HOMOLOG OF HUMAN MUTATED IN MULTIPLE ADVANC_____>

      1410       1420       1430       1440       1450
CCTAGATTTTTATGGGGAAGTAAGGACCAGAGACAAAAAGGGAGTCACAA
GGATCTAAAAATACCCCTTCATTCCTGGTCTCTGTTTTTCCCTCAGTGTT
  L  D  F  Y  G  E  V  R  T  R  D  K  K  G  V  T>
___HOMOLOG OF HUMAN MUTATED IN MULTIPLE ADVANC_____>

      1460       1470       1480       1490       1500
TTCCCAGTCAGAGGCGCTATGTATATTATTATAGCTACCTGCTAAAAAAT
AAGGGTCAGTCTCCGCGATACATATAATAATATCGATGGACGATTTTTTA
I  P  S  Q  R  R  Y  V  Y  Y  Y  S  Y  L  L  K  N>
___HOMOLOG OF HUMAN MUTATED IN MULTIPLE ADVANC_____>

      1510       1520       1530       1540       1550
CACCTGGATTACAGACCCGTGGCACTGCTGTTTCACAAGATGATGTTTGA
GTGGACCTAATGTCTGGGCACCGTGACGACAAAGTGTTCTACTACAAACT
 H  L  D  Y  R  P  V  A  L  L  F  H  K  M  M  F  E>
___HOMOLOG OF HUMAN MUTATED IN MULTIPLE ADVANC_____>

      1560       1570       1580       1590       1600
AACTATTCCAATGTTCAGTGGCGGAACTTGCAATCCTCAGTTTGTGGTCT
TTGATAAGGTTACAAGTCACCGCCTTGAACGTTAGGAGTCAAACACCAGA
  T  I  P  M  F  S  G  G  T  C  N  P  Q  F  V  V>
___HOMOLOG OF HUMAN MUTATED IN MULTIPLE ADVANC_____>

      1610       1620       1630       1640       1650
GCCAGCTAAAGGTGAAGATATATTCCTCCAATTCAGGACCCACGCGGCGG
CGGTCGATTTCCACTTCTATATAAGGAGGTTAAGTCCTGGGTGCGCCGCC
C  Q  L  K  V  K  I  Y  S  S  N  S  G  P  T  R  R>
___HOMOLOG OF HUMAN MUTATED IN MULTIPLE ADVANC_____>

              >RsaI
                |
      1660      |1670       1680       1690       1700
GAGGACAAGTTCATGTACTTTGAGTTCCCTCAGCCATTGCCTGTGTGTGG
CTCCTGTTCAAGTACATGAAACTCAAGGGAGTCGGTAACGGACACACACC
 E  D  K  F  M  Y  F  E  F  P  Q  P  L  P  V  C  G>
___HOMOLOG OF HUMAN MUTATED IN MULTIPLE ADVANC_____>

 >EcoRV
   |
   |  1710       1720       1730       1740       1750
TGATATCAAAGTAGAGTTCTTCCACAAACAGAACAAGATGCTCAAAAAGG
ACTATAGTTTCATCTCAAGAAGGTGTTTGTCTTGTTCTACGAGTTTTTCC
  D  I  K  V  E  F  F  H  K  Q  N  K  M  L  K  K>
___HOMOLOG OF HUMAN MUTATED IN MULTIPLE ADVANC_____>
```

Fig. 20B (continued)

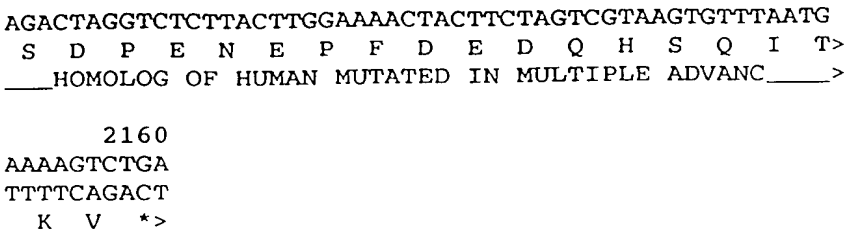


Fig. 20B (continued)